



IFW

FILING RECEIPT
PLEASE DATE STAMP AND RETURN TO US - BOX 235X

In re application of

Kumi KITAJIMA, et al.

Appln. No.: 10/518,012

Group Art Unit: 1614

Confirmation No.: 1951

Examiner: Unknown

Filed: December 14, 2004

For: PROCESS FOR PREPARATION OF OPTICALLY ACTIVE 1-SUBSTITUTED AMINO-2,3-EPOXYPROPANES, INTERMEDIATES FOR SYSTEMS THEREOF AND PROCESS FOR PREPARATION OF THE INTERMEDIATES

PAPER(S) FILED ENTITLED:

1. Request For Replacement Official Filing Receipt
2. Marked up copy of Official Filing Receipt
3. Copy of Declaration and Power of Attorney and copy of Transmittal Sheet

SUGHRUE MION, PLLC
Telephone: (202) 293-7060
Facsimile: (202) 293-7860

DOCKET NO.: Q83712
ATTORNEY/SEC: SIL/mnl
Date Filed: August 17, 2005

WASHINGTON OFFICE
23373
CUSTOMER NUMBER



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q83712

Kumi KITAJIMA, et al.

Appln. No.: 10/518,012

Group Art Unit: 1614

Confirmation No.: 1951

Examiner: Unknown

Filed: December 14, 2004

For: PROCESS FOR PREPARATION OF OPTICALLY ACTIVE 1-SUBSTITUTED AMINO-2,3-EPOXYPROPANES, INTERMEDIATES FOR SYNTHESIS THEREOF AND PROCESS FOR PREPARATION OF THE INTERMEDIATES

REQUEST FOR REPLACEMENT OFFICIAL FILING RECEIPT

ATTN: Office of Initial Patent Examination

Filing Receipt Correction

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

We enclose a copy of the Official Filing Receipt for the above-identified application and request the following correction(s):

Foreign Applications: JAPAN 2002-189796 06/28/2002
JAPAN 2002-306445 10/22/2002
JAPAN 2002-362343 12/12/2002 12/13/2002
JAPAN 2002-306444 10/22/2002

INDEPENDENT CLAIMS: + 5

Verification for the requested correction(s) is indicated on the Declaration and Power of Attorney and the Transmittal Sheet, both filed December 14, 2004.

Respectfully submitted,

Sheldon I. Landsman

Sheldon I. Landsman
Registration No. 25,430

SUGHRUE MION, PLLC
Telephone: (202) 293-7060
Facsimile: (202) 293-7860

WASHINGTON OFFICE

23373

CUSTOMER NUMBER

Date: August 17, 2005



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 www.uspto.gov

APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY.DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/518,012	12/14/2004	1614	1300	Q83712 ✓		5	1

CONFIRMATION NO. 1951

23373
 SUGHRUE MION, PLLC
 2100 PENNSYLVANIA AVENUE, N.W.
 SUITE 800
 WASHINGTON, DC 20037

FILING RECEIPT



OC000000016319109

Date Mailed: 06/21/2005

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Kumi Kitajima, Kanagawa, JAPAN; ✓
 Nobuo Nagashima, Takasago, Hyogo, JAPAN; ✓

Power of Attorney: The patent practitioners associated with Customer Number 23373. ✓

Domestic Priority data as claimed by applicant

This application is a 371 of PCT/JP03/07695 06/17/2003

Foreign Applications

JAPAN 2002-189796 06/28/2002
 JAPAN 2002-306445 10/22/2002

JAPAN 2002-362343 12/12/2002 12/13/2002
 JAPAN 2002-306444 10/22/2002

Projected Publication Date: 09/29/2005

Non-Publication Request: No

Early Publication Request: No

Title

Process for preparation of optically active 1-substituted amino-2,3-epoxypropanes, intermediates for synthesis thereof and process for preparation of the intermediates

Preliminary Class

514

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

**LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15**

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls,

Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).



December 14, 2004

MAIL STOP PCT

Commissioner for Patents
P.O. BOX 1450
Alexandria, VA 22313-1450

PCT/JP03/07695
-filed June 17, 2003

Re: Application of Kumi KITAJIMA and Nobuo NAGASHIMA
PROCESS FOR PREPARATION OF OPTICALLY ACTIVE 1-SUBSTITUTED
AMINO-2,3-EPOXYPROPANES, INTERMEDIATES FOR SYNTHESIS
THEREOF AND PROCESS FOR PREPARATION OF THE INTERMEDIATES
Assignee: KANEKA CORPORATION
Our Ref: Q83712

Dear Sir:

The following documents and fees are submitted herewith in connection with the above application for the purpose of entering the National stage under 35 U.S.C. §371 and in accordance with the Patent Cooperation Treaty:

- a copy of the executed Declaration and Power of Attorney.
- an English translation of the International Application.
- a copy of the executed Assignment and PTO 1595 form.
- an Information Disclosure Statement, International Search Report, a PTO/SB/08 A & B (modified) listing the ISR references.
- a copy of Notification Concerning Submission or Transmittal of Priority Document.
- a Preliminary Amendment.
- it is expressly requested that the national stage of processing be commenced immediately in accordance with 35 U.S.C. § 371(f)**

It is assumed that copies of the International Application, the International Search Report and cited references, the International Preliminary Examination Report, and any Articles 19 and 34 amendments as required by §371(c) will be supplied directly by the International Bureau, but if further copies are needed, the undersigned will undertake to provide them upon request.

The Government filing fee is calculated as follows:

Total claims	5 - 20	=	0x	\$50.00 =	\$0.00
Independent claims	5 - 3	=	2x	\$200.00 =	\$400.00
Base Fee					\$300.00
Examination Fee					\$200.00
Search Fee					\$500.00
TOTAL FILING FEE				\$1,400.00	
Recordation of Assignment				\$40.00	
TOTAL FEE				\$1,440.00	



SUGHRUE MION, PLLC

National Stage of PCT/JP03/07695

Checks for the statutory filing fee of \$1400.00 and Assignment recordation fee of \$40.00 are attached. The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this transmittal letter is attached.

Priority is claimed from:

<u>Country</u>	<u>Application No</u>	<u>Filing Date</u>
Japan	2002-189796	June 28, 2002
Japan	2002-306444	October 22, 2002
Japan	2002-306445	October 22, 2002
Japan	2002-362343	December 13, 2002

Respectfully submitted,

Sheldon I. Landsman
Registration No. 25,430

SUGHRUE MION, PLLC
Telephone: (202) 293-7060
Facsimile: (202) 293-7860

WASHINGTON OFFICE

23373

CUSTOMER NUMBER

Date: December 14, 2004



DECLARATION AND POWER OF ATTORNEY FOR UTILITY OR DESIGN PATENT APPLICATION (37 C.F.R. 1.63)

実用・意匠特許出願宣言書および委任状 (37 C.F.R. 1.63)

Japanese Language Declaration

私は以下の通り宣言します：

各発明者の住所、郵送先、および国籍は下記氏名の後に記載された通りです。

下記名称の発明に関し請求範囲に記載され特許出願がされている発明内容につき、下記に記載された発明者が本来かつ最初の発明者であると信じます。

上記発明の明細書は本書に添付されます。

または

上記発明は米国出願番号あるいは PCT 国際出願番号 _____ (確認番号 _____) として _____ 年 _____ 月 _____ 日に出願され、 _____ 年 _____ 月 _____ 日に補正されました (該当する場合)。

私は補正が上に明示された場合は補正された特許請求範囲を含む前記明細書の内容を検討し、理解していることをここに表明します。

私は一部継続出願の場合先行出願の出願日から一部継続出願の国内あるいは PCT 国際出願日までの期間中に入手された重要な情報を含み、37 C.F.R. 1.56 に定義される特許性に肝要な情報について開示義務があることを認めます。

I hereby declare that:

Each inventor's residence, mailing address, and citizenship are as stated below next to their name.

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

PROCESS FOR PREPARATION OF OPTICALLY ACTIVE
1-SUBSTITUTED AMINO-2,3-EPOXYPROPANES,
INTERMEDIATES FOR SYNTHESIS THEREOF AND
PROCESS FOR PREPARATION OF THE
INTERMEDIATES

the specification of which is attached hereto

OR

was filed on _____ as United States Application Number or PCT International Application Number (Confirmation No. _____), and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for continuation-in-part application(s), material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

Japanese Language Declaration

私は 35 U.S.C. 119(a)-(d) あるいは (f), または 365(b)に基づき特許、発明者、あるいは植物育種家証書の下記外国出願、または 365(a)に基づきアメリカ合衆国以外の少なくとも 1ヶ国を指定した下記 PCT 国際出願についての外国優先権特典をここに主張するとともに、下記項目に x 印を付けることにより優先権を主張する出願以前の出願日を有する特許、発明者、あるいは植物育種家証書の外国出願または PCT 国際出願を示します。

Prior Foreign Application Number(s)
先行外国出願番号

2002-189796
(Application Number)
(出願番号)

Japan
(Country)
(国名)

2002-306444
(Application Number)
(出願番号)

Japan
(Country)
(国名)

私は 35 U.S.C. 119(e)に基づき下記の米国仮特許出願の国内優先権をここに主張します。

(Application Number)
(出願番号)

(Filing Date)
(出願日)

(Application Number)
(出願番号)

(Filing Date)
(出願日)

私は 35 U.S.C. 120 に基づき下記米国特許出願、あるいは 365(c)に基づき米国を指定する下記 PCT 国際出願の利益をここに主張し、本特許出願内特許請求範囲の各項目の内容が 35 U.S.C. 112 の最初の項に規定される方法により先行米国あるいは PCT 国際特許出願で開示されていない限りにおいて 37 C.F.R. 1.56 に定義される本出願の特許性に肝要で、先行特許出願の出願日から本特許出願の国内あるいは PCT 国際出願日までの期間中に入手された情報について開示義務があることを認めます。

Prior U.S. or International Application Number(s)
先行米国あるいは国際出願番号

(Application Number)
(出願番号)

(Filing Date)
(出願日)

(Application Number)
(出願番号)

(Filing Date)
(出願日)

私は本宣言書内で私自身の知識に基づいてなされたすべての陳述が真実であり、情報および信ずるところに基づいてなされたすべての陳述が真実であると信じられていることをここに宣言し、さらに故意になされた虚偽の陳述等々は 18 U.S.C. 1001 に基づき罰金あるいは拘禁または両方による処罰にあたり、またかのような故意による虚偽の陳述はそれに基づく特許出願あるいは成立特許の有効性を危うくする可能性があることを認識した上でこれらの陳述をなしたことを宣言します。

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application(s) which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application(s) having a filing date before that of the application on which priority is claimed.

Priority Claimed?
優先権の主張?
Yes No
有り 無し

28/06/2002
(Filing Date)
(出願日)

22/10/2002
(Filing Date)
(出願日)

I hereby claim domestic priority under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

I hereby claim benefit under 35 U.S.C. 120 of any United States application(s) or 365(c) of any PCT international application(s) designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in a listed prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge my duty to disclose any information material to the patentability of this application as defined in 37 C.F.R. 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Status: patented, pending, abandoned)
(状態: 特許成立済、係属中、放棄済)

(Status: patented, pending, abandoned)
(状態: 特許成立済、係属中、放棄済)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Japanese Language Declaration

委任状：私は下記の米国特許商標局（USPTO）顧客番号のもとに記載される-SUGHRUE MION 法律事務所のすべての弁護士を 同顧客番号のもとに記載される個々の弁護士は Sughrue Mion 法律事務所のみの自由裁量に基づき変更され得ることを認識した上で、本特許出願の手続きおよびそれに関わる米国特許商標局との業務を遂行する弁護士として指名し、本特許出願に関するすべての通信が同 USPTO 顧客番号のもとに提出された住所宛に送付されることを要請します。

POWER OF ATTORNEY: I hereby appoint all attorneys of SUGHRUE MION, PLLC who are listed under the USPTO Customer Number shown below as my attorneys to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith, recognizing that the specific attorneys listed under that Customer Number may be changed from time to time at the sole discretion of Sughrue Mion, PLLC, and request that all correspondence about the application be addressed to the address filed under the same USPTO Customer Number.

STATEMENT OF ACCURATE TRANSLATION IN ACCORDANCE WITH 37 C.F.R. §1.69(b):

The declaration and power of attorney is an accurate translation of the corresponding English language declaration and power of attorney.

Signature

Date

WASHINGTON OFFICE

23373

CUSTOMER NUMBER

電話連絡は下記へ：

SUGHRUE MION, PLLC
(202) 293-7060

Direct Telephone Calls to:

SUGHRUE MION, PLLC
(202) 293-7060

NAME OF SOLE OR FIRST INVENTOR:

唯一あるいは第一の発明者名

Given Name (first and middle [if any]) 名(名およびミドルネーム[該当する場合])	Kumi	Family Name or Surname 姓	KITAJIMA
---	------	-----------------------------	----------

Inventor's signature 発明者の署名	<i>Kumi Kitajima</i>	Date 日付	<i>November 8, 2004</i>
--------------------------------	----------------------	------------	-------------------------

Residence: 住所:	2-28-1 B-202 Aobadai Aoba-ku Yokohama, Kanagawa 226-0072, Japan	Citizenship 国籍	Japanese
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Mailing Address: 郵送先:	2-28-1 B-202 Aobadai Aoba-ku Yokohama, Kanagawa 226-0072, Japan
--------------------------	---

NAME OF SECOND INVENTOR:

第二の発明者名:

Given Name (first and middle [if any]) 名(名およびミドルネーム[該当する場合])	Nobuo	Family Name or Surname 姓	NAGASHIMA
---	-------	-----------------------------	-----------

Inventor's signature 発明者の署名	<i>Nobuo Nagashima</i>	Date 日付	<i>November 8, 2004</i>
--------------------------------	------------------------	------------	-------------------------

Residence: 住所:	c/o KANEKA CORPORATION 1-8, Miyamae-machi, Takasago-cho Takasago, Hyogo 676-8688, Japan	Citizenship 国籍	Japanese
-------------------	--	-------------------	----------

Mailing Address: 郵送先:	c/o KANEKA CORPORATION 1-8, Miyamae-machi, Takasago-cho Takasago, Hyogo 676-8688, Japan
--------------------------	--

NAME OF THIRD INVENTOR:

第三の発明者名:

Given Name (first and middle [if any])
名 (名およびミドルネーム[該当する場合])Family Name or Surname
姓Inventor's signature
発明者の署名Date
日付Residence:
住所:Citizenship
国籍Mailing Address:
郵送先:**NAME OF FOURTH INVENTOR:**

第四の発明者名:

Given Name (first and middle [if any])
名 (名およびミドルネーム[該当する場合])Family Name or Surname
姓Inventor's signature
発明者の署名Date
日付Residence:
住所:Citizenship
国籍Mailing Address:
郵送先:**NAME OF FIFTH INVENTOR:**

第五の発明者名:

Given Name (first and middle [if any])
名 (名およびミドルネーム[該当する場合])Family Name or Surname
姓Inventor's signature
発明者の署名Date
日付Residence:
住所:Citizenship
国籍Mailing Address:
郵送先:**NAME OF SIXTH INVENTOR:**

第六の発明者名:

Given Name (first and middle [if any])
名 (名およびミドルネーム[該当する場合])Family Name or Surname
姓Inventor's signature
発明者の署名Date
日付Residence:
住所:Citizenship
国籍Mailing Address:
郵送先:**NAME OF SEVENTH INVENTOR:**

第七の発明者名:

Given Name (first and middle [if any])
名 (名およびミドルネーム[該当する場合])Family Name or Surname
姓Inventor's signature
発明者の署名Date
日付Residence:
住所:Citizenship
国籍Mailing Address:
郵送先:

NAME OF EIGHTH INVENTOR:

第八の発明者名:

Given Name (first and middle [if any])
名(名およびミドルネーム[該当する場合])Family Name or Surname
姓Inventor's signature
発明者の署名Date
日付Residence:
住所:Citizenship
国籍Mailing Address:
郵送先:**NAME OF NINTH INVENTOR:**

第九の発明者名:

Given Name (first and middle [if any])
名(名およびミドルネーム[該当する場合])Family Name or Surname
姓Inventor's signature
発明者の署名Date
日付Residence:
住所:Citizenship
国籍Mailing Address:
郵送先:**NAME OF TENTH INVENTOR:**

第十の発明者名:

Given Name (first and middle [if any])
名(名およびミドルネーム[該当する場合])Family Name or Surname
姓Inventor's signature
発明者の署名Date
日付Residence:
住所:Citizenship
国籍Mailing Address:
郵送先:**NAME OF ELEVENTH INVENTOR:**

第十一の発明者名:

Given Name (first and middle [if any])
名(名およびミドルネーム[該当する場合])Family Name or Surname
姓Inventor's signature
発明者の署名Date
日付Residence:
住所:Citizenship
国籍Mailing Address:
郵送先:**NAME OF TWELFTH INVENTOR:**

第十二の発明者名:

Given Name (first and middle [if any])
名(名およびミドルネーム[該当する場合])Family Name or Surname
姓Inventor's signature
発明者の署名Date
日付Residence:
住所:Citizenship
国籍Mailing Address:
郵送先:

NAME OF INVENTOR:

第 の発明者名:

Given Name (first and middle [if any])
名(名およびミドルネーム[該当する場合])Family Name or Surname
姓Inventor's signature
発明者の署名Date
日付Residence:
住所:Citizenship
国籍Mailing Address:
郵送先:**NAME OF INVENTOR:**

第 の発明者名:

Given Name (first and middle [if any])
名(名およびミドルネーム[該当する場合])Family Name or Surname
姓Inventor's signature
発明者の署名Date
日付Residence:
住所:Citizenship
国籍Mailing Address:
郵送先:**NAME OF INVENTOR:**

第 の発明者名:

Given Name (first and middle [if any])
名(名およびミドルネーム[該当する場合])Family Name or Surname
姓Inventor's signature
発明者の署名Date
日付Residence:
住所:Citizenship
国籍Mailing Address:
郵送先:**NAME OF INVENTOR:**

第 の発明者名:

Given Name (first and middle [if any])
名(名およびミドルネーム[該当する場合])Family Name or Surname
姓Inventor's signature
発明者の署名Date
日付Residence:
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Given Name (first and middle [if any])
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Supplemental Priority Data Sheet
優先権に関する追補データシート

Additional prior foreign applications:
追加的先行外国特許出願 :

Application Number(s) 出願番号	Country 国名	Filing Date 出願日	Priority Claimed?	
			Yes 有り	No 無し
2002-306445	Japan	22/10/2002	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2002-362343	Japan	13/12/2002	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Additional provisional applications:
追加的仮出願 :

Application Number(s) 出願番号	Filing Date 出願日

Additional U.S. or International applications:
追加的米国または国際出願 :

Application Number(s) 出願番号	Filing Date 出願日	Status: patented, pending, abandoned (状態:特許成立済、係属中、放棄済)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/07695

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl' C07D301/26, 303/36, 327/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl' C07D301/26, 303/36, 327/10

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
REGISTRY (STN), CAPLUS (STN)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 02/32857 A1 (PHARMACIA & UPJHON CO.), 25 April, 2002 (25.04.02), & AU 2442102 A	1-5
A	WO 99/52855 A1 (SAMSUNG FINE CHEMICALS CO., LTD.), 21 October, 1999 (21.10.99), & JP 14-511445 A	1-5
A	WO 99/62861 A1 (MICHIGAN STATE UNIVERSITY), 09 December, 1999 (09.12.99), & JP 14-516893 A	1-5

 Further documents are listed in the continuation of Box C. See patent family annex.

- * Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search
05 September, 2003 (05.09.03)Date of mailing of the international search report
24 September, 2003 (24.09.03)Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

PATENT COOPERATION TREATY

From the INTERNATIONAL BUREAU

PCT

NOTIFICATION CONCERNING
SUBMISSION OR TRANSMITTAL
OF PRIORITY DOCUMENT

(PCT Administrative Instructions, Section 411)

Date of mailing (day/month/year) 12 August 2003 (12.08.03)

Applicant's or agent's file reference T732.AEP

International application No. PCT/JP03/07695

International publication date (day/month/year) Not yet published
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IMPORTANT NOTIFICATION

International filing date (day/month/year)
17 June 2003 (17.06.03)

Priority date (day/month/year)
28 June 2002 (28.06.02)



1. The applicant is hereby notified of the date of receipt (except where the letters "NR" appear in the right-hand column) by the International Bureau of the priority document(s) relating to the earlier application(s) indicated below. Unless otherwise indicated by an asterisk appearing next to a date of receipt, or by the letters "NR", in the right-hand column, the priority document concerned was submitted or transmitted to the International Bureau in compliance with Rule 17.1(a) or (b).
2. This updates and replaces any previously issued notification concerning submission or transmittal of priority documents.
3. An asterisk(*) appearing next to a date of receipt, in the right-hand column, denotes a priority document submitted or transmitted to the International Bureau but not in compliance with Rule 17.1(a) or (b). In such a case, the attention of the applicant is directed to Rule 17.1(c) which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.
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Priority date	Priority application No.	Country or regional Office or PCT receiving Office	Date of receipt of priority document
28 June 2002 (28.06.02)	2002-189796	JP	01 Augu 2003 (01.08.03)
22 Octo 2002 (22.10.02)	2002-306444	JP	01 Augu 2003 (01.08.03)
22 Octo 2002 (22.10.02)	2002-306445	JP	01 Augu 2003 (01.08.03)
13 Dece 2002 (13.12.02)	2002-362343	JP	01 Augu 2003 (01.08.03)



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